

CLAIMS:

1. A high-pressure discharge lamp having a discharge vessel with an ionisable filling comprising a buffer gas and an excess amount of a metal halide, which is substantially formed by LiI, the lamp having a coldest spot temperature T_{cs} during normal operation of at least 1200K.
- 5 2. A lamp according to claim 1 wherein the excess amount of the metal halide is substantially a mixture of LiI and NaI.
3. A lamp according to claim 2 wherein the ionisable filling comprises
- 10 substantially equal amounts of LiI and NaI.
4. A lamp according to claim 1 wherein the buffer gas comprises Hg.
5. A lamp according to claim 4 wherein the buffer gas also comprises Xe.
- 15 6. A lamp according to claim 1 wherein the discharge vessel is made of ceramic.